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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
Complete if Known			
Application Number		09/988,805	
Filing Date		November 20, 2001	
First Named Inventor		Peter Geistlich	
Group Art Unit		1617	
Examiner Name		Unassigned	
Sheet	1	of	3
Attorney Docket Number		1194-199	

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	AA	5162430	A	RHEE et al.	11/10/1992
	AB	5167961	A	LUSSI et al.	12/01/1992
	AC	5206023	A	HUNZIKER	04/27/1993
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	AN	6221109	B1	GEISTLICH et al.	04/24/2001
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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
	AP	WO	9005755	A1	Collagen Corporation	05/31/1990	
	AQ	WO	9013302	A1	Brigham and Women's Hospital	11/15/1990	
	AR	WO	9213565	A1	Robert F. Shaw	08/20/1992	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Date on Cited Doc. MM-DD-YY of
		Office <sup>3</sup> Code (if known)	Number <sup>4</sup>	Kind <sup>5</sup>	
	AX	WO	9625961	A1	Ed. Geistlich Soehne AG Fuer Chemische Industrie
	AY	WO	9732616	A1	Dr. Axel Kirsch
	AZ	WO	9802976	A1	American Technology Corporation
	BA	WO	9919005	A1	Ed. Geistlich Soehne AG Fuer Chemische Industrie
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	BC	FR	2679778	A1	Coletica
	BD	AU	660045	B	Coletica
	BE	AU	663150	B	Research Development Foundation

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T <sup>2</sup>
	BF	H.A. BREINAN et al., "REPARATIVE TISSUES IN ARTICULAR CARTILAGE DEFECTS IN A CANINE MODEL TREATED BY MICROFRACTURE", 45th Annual Meeting, Orthopaedic Research Society, February 1-4, 1999, Anaheim, CA. (one page)				
	BG	C.R. LEE et al., "HARVEST AND SELECTED CARTILAGE REPAIR PROCEDURES AFFECT MECHANICAL AND BIOCHEMICAL PROPERTIES OF UNINVOLVED ARTICULAR CARTILAGE IN THE CANINE KNEE", 45th Annual Meeting, Orthopaedic Research Society, February 1-4, 1999, Anaheim, CA. (one page)				
	BH	C.R. LEE et al., "THE CONTRACTILE BEHAVIOR OF ARTICULAR CHONDROCYTES IN COLLAGEN MATRICES <i>IN VITRO</i> ", Tissue Engineering Soc., Dec. 4-6, 1998, Orlando, Fla. (one page)				
	BI	S.M. MUELLER et al., "ALPHA-SMOOTH MUSCLE ACTIN IN BOVINE MENISCUS CELLS SEEDED IN TYPE I AND TYPE II COLLAGEN-GAG MATRICES", 44TH Annual Meeting, Orthopaedic Research Society, March 16-19, 1998; New Orleans, Louisiana. (one page)				
	BJ	S. NEHRER et al., "CHONDROCYTE-SEEDED TYPE I AND TYPE II COLLAGEN IMPLANTS INVESTIGATED <i>IN VITRO</i> ", Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, CA. (one page)				
	BK	S. NEHRER et al., "AUTOLOGOUS CHONDROCYTE-SEEDED TYPE I AND II COLLAGEN MATRICES IMPLANTED IN A CHONDRAL DEFECT IN A CANINE MODEL", 44TH Annual Meeting, Orthopaedic Research Society, March 16-19, 1998, New Orleans, Louisiana. (one page)				
	BL	S. NEHRER et al., "CHONDROCYTE-SEEDED TYPE I AND TYPE II COLLAGEN MATRICES IMPLANTED IN A CHONDRAL DEFECT IN A CANINE MODEL", 7th Conference European Orthopaedic Research Society, Barcelona, 1997. (one page)				
	BM	S. NEHRER et al., "CHARACTERISTICS OF ARTICULAR CHONDROCYTES SEEDED IN COLLAGEN MATRICES", Tissue Engineering 1998, pp 175-183 vol. 4(2).				

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	BN	S. NEHRER et al., "MATRIX COLLAGEN TYPE AND PORE SIZE INFLUENCE BEHAVIOUR OF SEEDED CANINE CHONDROCYTES", Biomaterials 18, (1997), pp. 769-776.
	BO	DONNA SCHULZ-TORRES et al., "TENDON CELL CONTRACTION OF COLLAGEN-GAG MATRICES <i>IN VITRO</i> : EFFECT OF CROSS-LINKING", Soc. for Biomaterials, April 28-May 2, 1999, Providence, R.I. (one page)
	BP	T.O. SCHNEIDER et al., "EXPRESSION OF $\alpha$ -SMOOTH MUSCLE ACTIN IN CANINE INTERVERTEBRAL DISC CELLS <i>IN SITU</i> AND IN COLLAGEN-GAG MATRICES <i>IN VITRO</i> ", J. Orthopaedic Research In press, pp. 1-22.
	BQ	S. NEHRER et al., "CANINE CHONDROCYTES SEEDED IN TYPE I AND TYPE II COLLAGEN IMPLANTS INVESTIGATED <i>IN VITRO</i> ", J. Biomed. Mater. Res. (Appl. Biomater.), 1997, pp. 95-104, vol. 38, John Wiley & Sons, Inc.
	BR	S.M. MUELLER et al., " $\alpha$ -SMOOTH MUSCLE ACTIN AND CONTRACTILE BEHAVIOR OF BOVINE MENISCUS CELLS SEEDED IN TYPE I AND TYPE II COLLAGEN-GAG MATRICES", J. Biomed. Mat. Res., 1999, pp. 1-10, vol. 45, John Wiley & Sons, Inc.
	BS	Genzyme Tissue Repair, "CARTICEL <sub>TM</sub> (autologous cultured chondrocytes), ENGINEERING A BETTER REPAIR", Genzyme Tissue Repair, 64 Sidney Street, Cambridge, MA 02139-4136, 9/97, brochure. (8 pages)
	BT	D. MUTTER et al., "BIOMATERIAL SUPPORTS FOR COLONIC WALL DEFECT HEALING", Biomaterials 17, 1996, pp. 1411-1415.
Examiner Signature		Date Considered 9/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.